2 Product Specifications

2-1 Specifications

Item	Description
Picture Tube	17-Inch (43 cm): 16-inch (40.6 cm) viewable, 19-Inch (48.2 cm): 18-inch (45.8 cm) viewable, 17"/19": 0.26 mm Dot pitch, Full-square tube / Perfect Flatness, 90˚ Deflection, Anti-Reflection coating with Anti-electrastatic, Medium short persistence phosphor
Scanning Frequency (Automatic)	Horizontal : LE17IS: 30 kHz ~ 96 kHz (Automatic) LE19IS/LE19IT: 30 kHz ~ 96 kHz (Automatic) Vertical : 50 Hz ~ 160 Hz (Automatic)
Display Colors	Unlimited colors
Maximum Resolution	Horizontal : 1600 Pixels, Vertical : 1200 Pixels
Input Video Signal	Analog, 0.7 Vp-p positive at 75 Ω, internally terminated
Input Sync Signal	Separate Sync : TTL level positive/negative Composite Sync : TTL level positive/negative
Maximum Pixel Clock rate	250 MHz
Active Display	17" ; Horizontal : 312 mm, Vertical : 234 mm 19" ; Horizontal : 352 mm, Vertical : 264 mm
Input Voltage	AC 90 ~ 264 Volts, 60/ 50 Hz ± 3 Hz
Power Consumption (nominal)	17": 90 Watt , 19": 110 Watt
Dimensions (W x D x H) Unit / Carton LE17IS LE19IS LE19IS(B) LE19IT	 15.8 x 16.1 x 12.7 Inches (401 x 410 x 323 mm) State of stand installed / 18.3 x 20.4 x 18.1 Inches (464 x 518 x 459 mm) 17.5x 18.0 x 14.1 Inches (445 x 457.5 x 358 mm) State of stand installed / 19.4 x 24.1 x 22.7 Inches (492 x 611 x 576 mm) 17.5x 18.0 x 14.1 Inches (445 x 457.5 x 358 mm) State of stand installed / 19.4 x 24.1 x 22.7 Inches (492 x 611 x 576 mm) 17.5x 18.0 x 14.1 Inches (445 x 457.5 x 358 mm) State of stand installed / 19.4 x 24.1 x 22.7 Inches (492 x 611 x 576 mm)
Weight (Net/Gross) LE17IS LE19IS LE19IS(B) LE19IT	 14.3 kg (31.5 lbs) State of stand installed / 16.2 kg (35.7 lbs) 18.2 kg (40.1 lbs) State of stand installed / 21.5 kg (47.4 lbs) 18.2 kg (40.1 lbs) State of stand installed / 21.5 kg (47.4 lbs) 18.2 kg (40.1 lbs) State of stand installed / 21.5 kg (47.4 lbs)
Environmental Considerations	Operating Temperature : 32°F ~ 104°F (0°C ~ 40°C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4°F ~ 113°F (-20°C ~ 45°C) Storage Humidity : 5 % ~ 95 %
• Designs and specifications are subject to change without prior notice.	

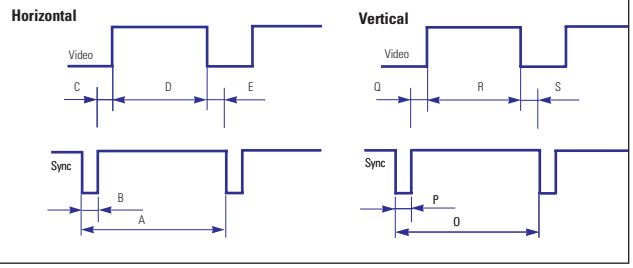
2-2 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

Table 2-1 Timing Chart

Mode / Timing	VESA		
	1024/85 Hz 1024 x 768	1280/85 Hz 1280 x 1024	640/75 Hz 640 x 480
fH (kHz)	68.677	91.146	37.500
A µsec	14.561	10.971	26.667
B µsec	1.016	0.016	2.032
C µsec	2.201	1.422	3.810
D µsec	10.836	8.127	20.317
E µsec	0.508	0.406	0.508
fV (Hz)	84.997	85.024	75.000
O msec	11.765	11.761	13.333
P msec	0.044	0.033	0.080
Q msec	0.524	0.483	0.427
R msec	11.183	11.235	12.800
S msec	0.015	0.011	0.027
Clock Freq. (MHz)	94.500	157.500	31.500
Polarity H.Sync	Positive	Positive	Negative
V.Sync	Positive	Positive	Negative
Remark	Separate	Separate	Separate

Separate Sync



A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	